



ATL-187

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: David N. Roundhill et al.

Art Unit: 3737

Serial No.: 09/247,343

Examiner: Mr. F. Jaworski 3/29

Filed : February 8, 1999

For : ULTRASONIC DIAGNOSTIC IMAGING WITH  
BLENDED TISSUE HARMONIC SIGNALS

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on March 23, 2001  
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Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

SUPPLEMENT TO AMENDMENT OF MARCH 12, 2001

Dear Sir:

In response to the Notice of March 16, 2001, the  
following is a clean version of all of the claims in this  
application as amended by the Amendment of March 12, 2001.

B1

1. An ultrasonic diagnostic imaging system for  
producing a blended harmonic ultrasonic image of tissue  
inside a body, comprising:  
means for transmitting ultrasonic energy into the body  
at a fundamental frequency;  
means, responsive to said transmitted ultrasonic  
energy, for receiving ultrasonic echo signals from tissue at  
a plurality of depths in the body;  
means for separating said echo signals into fundamental  
and harmonic frequency components; and  
an image processor which produces image signals which  
are a blend of proportions of said fundamental and harmonic  
frequency components, said proportions being predetermined  
to vary with echo signal depth.

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